

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>INT1124-MAJR</b>	<b>FOR FURTHER ACTION</b> <small>see Form PCT/ISA/220 as well as, where applicable, Item 5 below.</small>	
International application No. <b>PCT/2A2004/000080</b>	International filing date (day/month/year) <b>13/07/2004</b>	(Earliest) Priority Date (day/month/year) <b>15/07/2003</b>
Applicant  <b>DETNET SOUTH AFRICA (PTY) LTD</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 2 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

**4. With regard to the title,**

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

**5. With regard to the abstract,**

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

**6. With regard to the drawings,**

a. the figure of the drawings to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/ZA2004/000080

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F42D1/055

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F42D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 846 066 A (BEATTIE TIMOTHY A ET AL) 11 July 1989 (1989-07-11) column 1, lines 49-61 column 2, lines 43-63 column 3, lines 11-45; figure 2	1-4, 6, 12, 14, 17
A	EP 0 301 848 A (EXPLOSIVES TECH ETI) 1 February 1989 (1989-02-01) page 11, lines 38-60	8-11
A	US 4 489 655 A (MOLNAR OTTO) 25 December 1984 (1984-12-25) column 2, lines 10-66; figure 1	1-17
A	EP 0 251 824 A (GEN MINING UNION CORP) 7 January 1988 (1988-01-07) column 4, lines 1-31; figure 1	1-7, 12-17

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document relating to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

\*Z\* document member of the same patent family

Date of the actual completion of the international search

1 December 2004

Date of mailing of the international search report

05/01/2005

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/ZA2004/000080

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4846066	A	11-07-1989	AU 595916 B2 AU 7675387 A MW 6387 A1 ZA 8706004 A ZW 15187 A1	12-04-1990 03-03-1988 11-05-1988 27-04-1988 22-03-1989
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EP 0251824	A	07-01-1988	AT 58013 T AU 596850 B2 AU 7520287 A BR 8703397 A DE 3765860 D1 EP 0251824 A1 US 4796531 A ZA 8704755 A ZW 12287 A1	15-11-1990 17-05-1990 07-01-1988 22-03-1988 06-12-1990 07-01-1988 10-01-1989 24-02-1988 30-09-1987